

Figures 9 to 12 inclusive are *Stigonema medium*.

- Fig. 9. Shows that branching is not unilateral; young branch; division of a cell; two cells side by side.
 " 10. Hormogone-bearing branch, and heterocyst.
 " 11. Escaping hormogone.
 " 12. Thickened portion of sheath at end of hormogone.

AGRICULTURAL COLLEGE, Amherst, Massachusetts.

SIX WEEKS' BOTANIZING IN VERMONT,—II.

ADDITIONAL NOTES ON PLANTS NEAR BURLINGTON.¹

SIDNEY F. BLAKE.

OSMUNDA CINNAMOMEA L. f. *INCISA* (Huntington) Gilbert. Alt. 3670, Mt. Mansfield, 11 August (*Blake* 2733).

PICEA MARIANA (Mill.) BSP. f. **semiprostrata** (Peck) n. comb. *P. brevifolia* var. *semiprostrata* Peck, Spruces of the Adirondacks 12, 13 (1897).—In moss, alt. 3900 ft., Mt. Mansfield, Underhill, 11 Aug. 1911 (*Blake* 2745).—A creeping alpine form of the Black Spruce, eight or ten decimeters long or more, with short crowded branches mostly fascicled toward the erect apex of the stem, and tiny four-grooved glaucous needles 3–6 mm. long.

SAGITTARIA ARIFOLIA Nutt. Mud flats of Lake Champlain, North Ferrisburg, 8 August 1911.

CYPERUS STRIGOSUS L. f. **capitatus** (Boeckl.) n. comb. *C. strigosus* var. *capitatus* Boeckl. Linnaea xxxvi. 347 (1869–1870). *C. capitatus* Smyth, Trans. Kansas Acad. Sci. xvi. 163 (1899).—Pasture, Cobble Hill, Milton, growing with the typical form.—A form not very well marked, often — as in Boeckler's original specimens — small and seeming only a dwarfed state of the typical plant, but occasionally larger and more definitely distinguished.

SCIRPUS ATROCINCTUS Fernald f. *BRACHYPODUS* (Fernald) Blake. Pasture, alt. 1400, Mt. Mansfield, Underhill.

S. HETEROCHAETUSS Chase. Meadow, North Ferrisburg.

¹ The notes of this list relate to plants collected on several short excursions from Essex Junction, outside the limits of the Burlington Region as defined by Mrs. Flynn.

JUNCUS EFFUSUS L. var. SOLUTUS Fernald & Wiegand. Beside wood road, alt. 1260 ft., Mt. Mansfield, Underhill, 11 August (*Blake* 2757).

J. TORREYI Coville. Roadside, alt. 360, Charlotte, 8 August (2612). Previously collected in Vermont by Kirk, in July 1908, in sandy ditch by railroad at Rutland.

SALIX SERICEA Marsh. Mud flats of Hinesburg Pond, Hinesburg, alt. 684, 7 August (2594).

BETULA ALBA L. Woods, alt. 3500, and rocky summit, alt. 3860, Mt. Mansfield, Underhill.

B. ALBA L. var. CORDIFOLIA (Regel) Fernald. Mt. Mansfield, Underhill, alt. 3670.

PARIETARIA PENNSYLVANICA Muhl. Dry soil, alt. 600, Mt. Philo, Charlotte.

POLYGONUM AMPHIBIUM L. f. HARTWRIGHTII (Gray) Blake. Mud flats of Hinesburg Pond, Hinesburg (2596).

EPILOBIUM DENSUM Raf. Damp pasture, alt. 465, Milton.

E. MOLLE Torr. With the last.

SANICULA TRIFOLIATA Bicknell. Woods, alt. 810, Mt. Philo, Charlotte.

VACCINIUM ULIGINOSUM L. and var. PUBESCENS Lange. Like so many other species of our blueberries, *Vaccinium uliginosum* possesses both a glabrous and a pubescent form, which have been long distinguished in Europe but not hitherto separated in this country. The plant with the leaves more or less puberulent, sometimes extremely so, beneath, which is *V. uliginosum* var. *PUBESCENS* Lange, *Consp. Fl. Groenl.* 90 (1880), seems with us to be about as common and well distributed as the typical glabrous *V. uliginosum* L. I have seen Vermont material of *V. uliginosum* from Mt. Mansfield, and of var. *pubescens* from Mt. Mansfield, Jay Peak, and Johnson.

PYCNANTHEMUM VIRGINIANUM (L.) Durand & Jackson. Dry soil, Mt. Philo, Charlotte, alt. 595.

VERBASCUM BLATTARIA L. Pasture, North Ferrisburg.

ANTENNARIA BRAINERDII Fernald. Dry soil, Mt. Philo, alt. 500.

EUPATORIUM PURPUREUM L. Woods, alt. 680, Mt. Philo, 8 August 1911 (*Blake* 2611). Second record for the state.

STOUGHTON, MASSACHUSETTS.